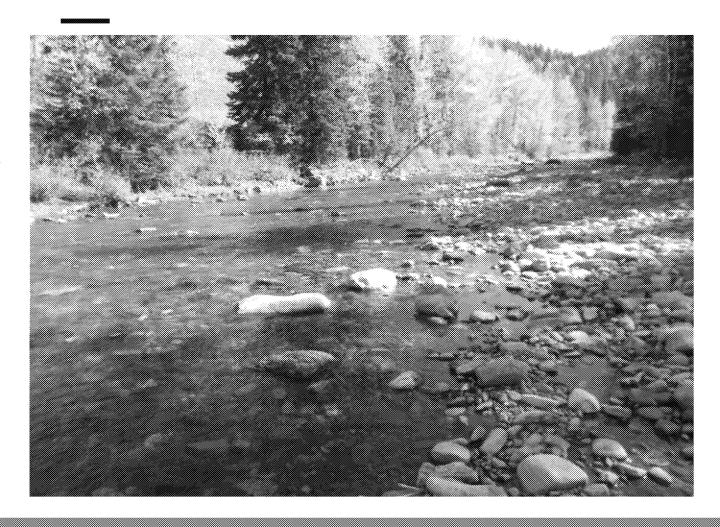


Outline

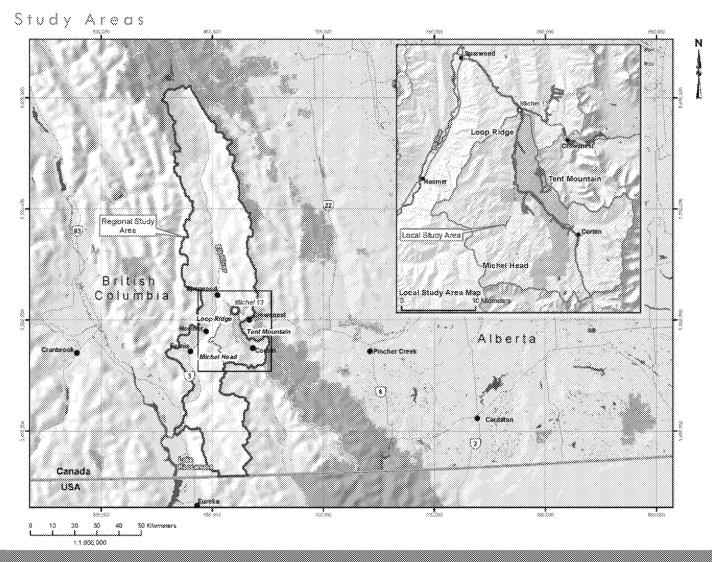
- Study areas
- Valued Components
- Baseline assessment overview





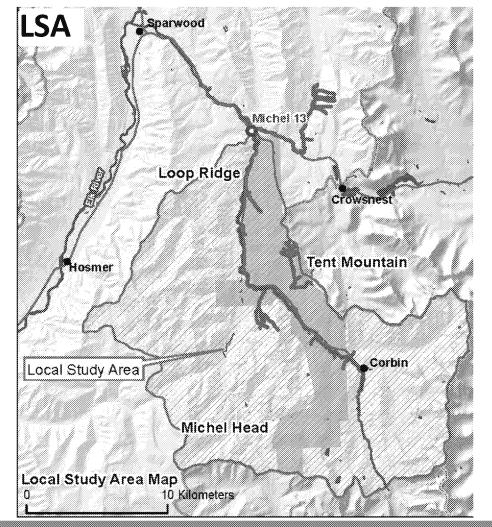
- LSA Michel Creek watershed upstream of Alexander Creek
- RSA Elk River watershed

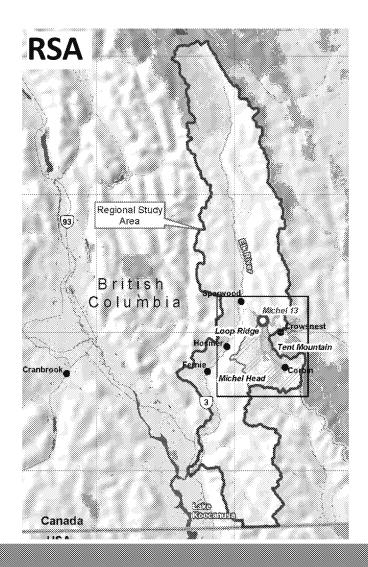






Study Areas







Valued Components

- Candidate VC's list
- Screening
 - Be present in the Project area;
 - Potentially interact with the Project;
 - Be required by legislation;
 - Be relevant to government priorities;
 - Be relevant to indigenous interests, including rights and title;
 - Have the potential for cumulative effects;
 - Be sensitive or vulnerable to disturbance; and
 - Be measurable directly or by another VC.



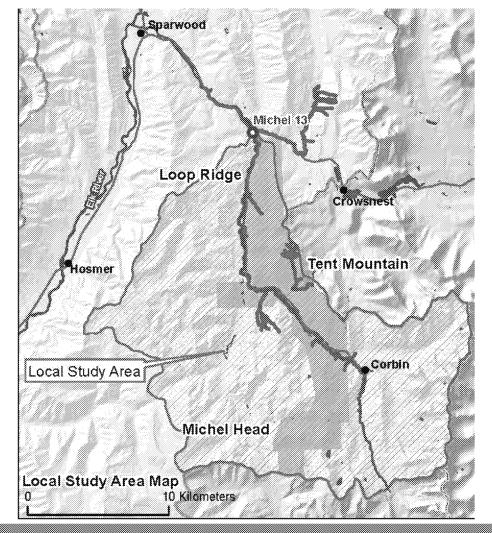
Valued Components

- Fish and Fish Habitat VC's
 - Benthic Invertebrates
 - Fish and fish habitat –subcomponents
 - Westslope cutthroat trout (Oncorhynchus clarkii lewis
 - Bull trout (Salvelinus confluentus)
 - Longnose sucker (*Catostomus catostomus*)
 - Mountain whitefish (Prosopium williamsoni)

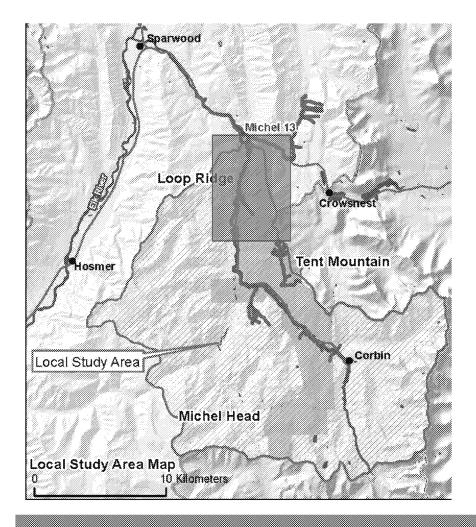


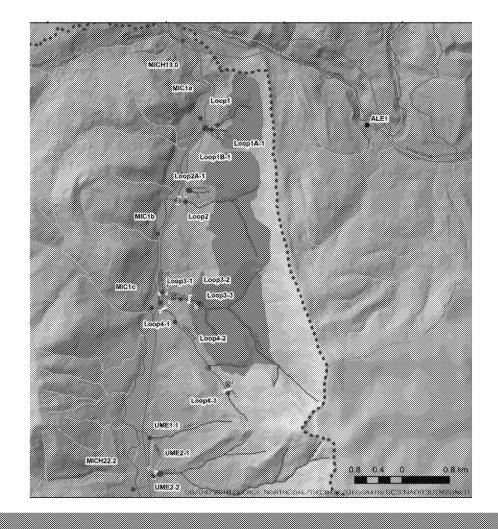


- Presently 42 stations
- LSA reference site = Andy Good Creek
- RSA reference site = Alexander Creek

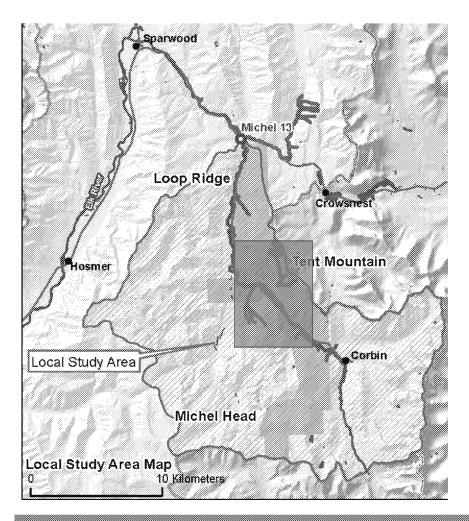


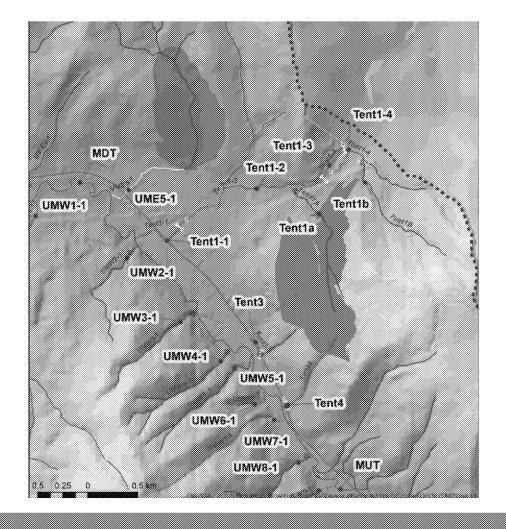




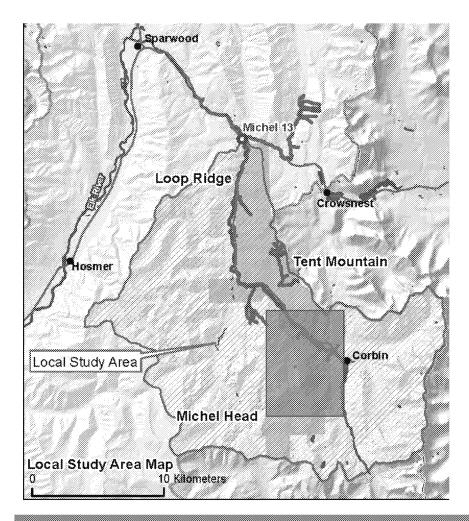


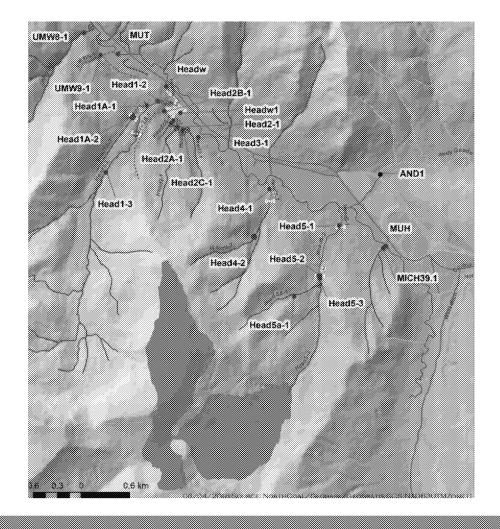














- Fish distribution
 - 10.9 km (17.3%) fish bearing
 - 52.3 km (82.7%) non-fish bearing
- Use by species
 - WCT + EB most abundant
 - BT rare, some tributary use
 - LSU wetlands/off-channel habitat only
 - MW mainstems only





- Loop EB dominated
- Tent Mtn Only WCT
- Michel Head EB low gradients (e.g., wetland), WCT steeper sections
- Overwintering
 - Loop 3 and 4 (lower)
 - Michel Head wetland
 - Limited mainsteam use
- Summer water temperature
 - Tributary refugia



